



North American Refractories Co.

A Member of The Didier Group

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11.3.125.1/v

08/27/91

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500 Halle Building
1228 Euclid Avenue
Cleveland, Ohio 44115-1809
216/621-5200

7009

NORTH AMERICAN REFRACTORIES PRODUCT SAFETY DATA SHEET

MANUFACTURER

NORTH AMERICAN REFRACTORIES

MSDS # 3025-50

Vendor:

Emergency Phone Number
East (814) 236-3890
West (415) 432-4741
Canada (416) 765-4404

MSDS prepared by:
NORTH AMERICAN REFRACTORIES
Technical Center (814) 234-7981

Date Issued: 01/12/92

Date Revised: 08/27/91

Product Type: Refractory Castable / Gun Material

Trade Name: NARCOTAB ER CASTABLE

Product SARA Hazard Class: (1) Immediate or Acute (Irritant)

WHMIS Hazard Class (CANADA): Class D - Division 2: Toxic Material (CPR 60)

***** SECTION I - PRODUCT IDENTIFICATION *****

Chemical Name: High Alumina Castable
Chemical Family: Al₂O₃, CaO

***** SECTION II - CHEMICAL COMPOSITION *****

Ingredients:

CAS Number:

PCT:

Alumina

1344-28-1

85.0 - 95.0%

Hydraulic Setting Cement

12042-68-1

15.0 - 40.0%

Organic Fibers

9003-07-0

0.1 - 1.0%

***** SECTION III - PHYSICAL DATA *****

Appearance and Odor: White, granular, dry mixture, odorless

Odor threshold (p.p.m.): Not applicable.

Specific Gravity: Not available.

Vapor Pressure (mm): Not applicable.

Vapor Density (air=1): Not applicable.

Boiling Point (°F): Not available.

Solubility in Water: Not available.

X Volatile (by weight): Not applicable.

pH: 9 to 10.9 range

Density: Not available.

Coefficient of Water/Oil Distribution: Not available.

USEPA SF



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******* SECTION IV - FIRE AND EXPLOSION HAZARD *******

Flammability: This product is non-flammable and will not support combustion.

******* SECTION V - HEALTH HAZARD *******

Threshold Limit Value: For nuisance dust 5mg/m3 respirable.
Effects of Overexposure:

CEMENT:

Cement may cause irritation to skin and eyes.
Low toxicity via inhalation route. Pulmonary fibrosis due to cement dust occurs rarely if at all. Cement may be an allergen in some people.
Note: LD50 and LC50 is not available for "Cement"

CARCINOGENICITY INFORMATION

No ingredient in this product is found on either the Federal OSHA, NTP, or IARC list of carcinogens.

Emergency and First Aid Data:

Eyes: Flush with water and get medical help.

Skin: Wash thoroughly with soap and water.

Inhalation: Remove to fresh air.

******* SECTION VI - REACTIVITY DATA *******

Stability and Reactivity: This product is stable and non-reactive.

******* SECTION VII - SPILL AND LEAK PROCEDURES *********Steps to be Taken in Case of a Spill:**

Avoid generating dust exposure during cleanup.

Waste Disposal Method: Dispose of material according to local, state or federal regulations and as final used condition of the product dictates.

******* SECTION VIII - INDUSTRIAL HYGIENE INFORMATION *******

Ventilation: Local exhaust recommended to maintain exposures below TLV.

Respiratory Protection: NIOSH approved dust type for exposures above TLV.

Protective Gloves: Impervious gloves recommended.

Eye Protection: Recommended.

******* SECTION IX - SPECIAL PRECAUTIONS *******

Special Precautions: Avoid dust generation.

Precautionary Labeling: Product contains hydraulic setting cement

CAUTION: Exposure may cause irritation to eyes and skin.



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SECTION X - SPECIAL INFORMATION

WARNING: Steam spalling may occur from improper drying, curing, and firing (heat-up). Steam spalling of thick refractory sections can be explosive in character. Potential for serious injury exists from failure to follow the recommended schedule. This schedule is available from North American Refractories Co. For more information, contact your sales representative or call North American Refractories Co. 216-621-5200.